

Table 1 Analysis of variance for combining ability for 13 different characters

Source of variation	Replication	Females (Lines)	Males (Testers)	Females vs males	Error
Degrees of freedom	1	9	2	18	29
Days to 50% tasseling	1.67	8.51*	5.07	2.68	2.91
Days to 50% silking	5.4	14.49**	11.72**	1.38	3.61
Plant height (cm)	8.07	461.71*	367.32	131.43**	7.86
Ear height (cm)	1.35	196.57	361.32	113.54**	6.14
Days to 75% BHM	72.6	29.04*	5.62	9.1	5.29
Ear length (cm)	0.4	4.57	10.65	2.20*	0.31**
Ear girth (cm)	0	0.23**	0.09	0.04	0.03
No. of kernel rows/ear	0.1	8.31	0.54	4.54	2.79
No of kernels/row	32.27	7.42	27.27	14.00*	5.4
100 grain weight (g)	1.35	56.22*	4.82	17.67	8.52*
Grain yield (q/ha)	1.75	160.46	94.03	109.37**	7.18
Shelling percentage (%)	0.07	108.39	46.42	83.37**	7.7
Fodder yield (t/ha)	5.42	21.06**	2.42	3.22	1.42*

Note: \* Significant at 5% level; \*\* Significant at 1% level